

Ажилтан бүрийн хариуцаж буй үл хөдлөх хөрөнгийн тоо

MySQL:

```
1 SELECT s.branchNo, s.staffNo, COUNT(*) AS myCount
2 FROM Staff s, PropertyForRent p
3 WHERE s.staffNo = p.staffNo
4 GROUP BY s.branchNo, s.staffNo
5 ORDER BY s.branchNo, s.staffNo;
```

1 Result	2 Profiler	3 Messages	4 Table Data
(Read Only)			
branchNo	staffNo	myCount	
B003	SG14	1	
B003	SG37	2	
B005	SL41	1	
B007	SA9	1	

PostgreSQL:

Query Editor	Query History
<pre>1 SELECT s.branchNo, s.staffNo, COUNT(*) AS COUNT 2 FROM Staff s, PropertyForRent p 3 WHERE s.staffNo = p.staffNo 4 GROUP BY s.branchNo, s.staffNo 5 ORDER BY s.branchNo, s.staffNo;</pre>	
Data Output	Explain Messages Notifications
branchno character (4)	staffno [PK] character varying (5)
count bigint	
1 B003	SG14
2 B003	SG37
3 B005	SL41
4 B007	SA9

MsSQL:

SQLQuery1.sql - DE...LUCPI1\ldava (53))*

```

SELECT s.branchNo, s.staffNo, COUNT(*) AS COUNT
FROM Staff s, PropertyForRent p
WHERE s.staffNo = p.staffNo
GROUP BY s.branchNo, s.staffNo
ORDER BY s.branchNo, s.staffNo;

```

100 %

Results Messages

	branchNo	staffNo	COUNT
1	B003	SG14	1
2	B003	SG37	2
3	B005	SL41	1
4	B007	SA9	1

Access:

Query2

branchNo	staffNo	myCount
B003	SG14	1
B003	SG37	2
B005	SL41	1
B007	SA9	1

5.28

Ижил хотод байгаа бүх салбар оффис болон үл хөдлөх хөрөнгийн жагсаалт

MySQL:

```

1 • SELECT b.*,p.*
2 FROM branch1 b LEFT JOIN
3     propertyforrent1 p ON b.bCity=p.pCity;
4

```

Result Grid

Filter Rows: Export:

	branchNo	bCity	propertyNo	pCity
▶	B002	London	PL94	London
	B003	Glasgow	PG4	Glasgow
	B004	Bristol	NULL	NULL

PostgreSQL:

Query Editor Query History

```
1 SELECT b.*,p.*
2 FROM branch1 b LEFT JOIN propertyforrent1 p ON
3   b.bCity=p.pCity;
```

Data Output Explain Messages Notifications

	branchno character (4)	bcity character varying (15)	propertyno character (5)	pcity character varying (10)
1	B002	London	PL94	London
2	B003	Glasgow	PG4	Glasgow
3	B004	Bristol	[null]	[null]

MsSQL:

```
SELECT b.*,p.*
FROM Branch1 b LEFT JOIN
PropertyForRent1 p ON b.bCity=p.pCity;
```

100 %

Results Messages

	branchNo	bCity	propertyNo	pCity
1	B003	Glasgow	PG4	Glasgow
2	B004	Bristol	NULL	NULL
3	B002	London	PL94	London

Access:

branchNo	bcity	propertyNo	pcity
b2	London	PL94	London
b3	Glasgow	PG4	Glasgow

5.29

Ижил хотод байгаа бүх үл хөдлөх хөрөнгө болон салбар оффисуудын жагсаалт

MySQL:

```

1 • SELECT b.*,p.*
2 FROM branch1 b right JOIN
3 propertyforrent1 p ON b.bCity=p.pCity;
4

```

branchNo	bCity	propertyNo	pCity
B003	Glasgow	PG4	Glasgow
B002	London	PL94	London
NULL	NULL	PA14	Aberdeen

PostgreSQL:

branchno	bcity	propertyno	pcity
[null]	[null]	PA14	Aberdeen
B002	London	PL94	London
B003	Glasgow	PG4	Glasgow

MsSQL:

```

SELECT b.*,p.*
FROM Branch1 b RIGHT JOIN
PropertyForRent1 p ON b.bCity=p.pCity;

```

100 %

Results

Messages

	branchNo	bCity	propertyNo	pCity
1	NULL	NULL	PA14	Aberdeen
2	B002	London	PL94	London
3	B003	Glasgow	PG4	Glasgow

Access:

branchNo	bcity	propertyNo	pcity
		PA14	Aberdeen
b2	London	PL94	London
b3	Glasgow	PG4	Glasgow

5.30

Ижил хотод байгаа салбар оффис, үл хөдлөх хөрөнгийг дурын үл нийцэх салбар эсвэл өмчийн хамт жагсаана.

MsSQL:

<pre> SELECT b.*,p.* FROM Branch1 b FULL JOIN PropertyForRent1 p ON b.bCity=p.pCity; </pre>				
100 %				
Results Messages				
	branchNo	bCity	propertyNo	pCity
1	B003	Glasgow	PG4	Glasgow
2	B004	Bristol	NULL	NULL
3	B002	London	PL94	London
4	NULL	NULL	PA14	Aberdeen

PostgreSQL:

Query Editor Query History				
<pre> 1 SELECT b.*,p.* 2 FROM branch1 b FULL JOIN propertyforrent1 p ON 3 b.bCity=p.pCity; </pre>				
Data Output Explain Messages Notifications				
	branchno character (4)	bcity character varying (15)	propertyno character (5)	pcity character varying (10)
1	[null]	[null]	PA14	Aberdeen
2	B002	London	PL94	London
3	B003	Glasgow	PG4	Glasgow
4	B004	Bristol	[null]	[null]

5.31

Лондонгийн салбар оффист ажилладаг бүх ажилчид

MySQL:

Query 1Query 2 xHistory +

1SELECT staffNo, fName, lName, oposition

2FROM Staff s

3WHERE EXISTS (SELECT *

4FROM Branch b

5WHERE s.branchNo = b.branchNo AND city = 'London');

1 Result2 Profiler3 Messages4 Table Data5 Info

(Read Only)

staffNo

fName

lName

oposition

SL21

John

White

Manager

SL41

Julie

Lee

Assistant

PostgreSQL:

Query EditorQuery History

1SELECT staffNo, fName, lName, oposition

2FROM Staff s

3WHERE EXISTS (SELECT *

4FROM Branch b

5WHERE s.branchNo = b.branchNo AND city = 'London');

Data OutputExplainMessagesNotifications

staffno

[PK] character varying (5)

fname

character varying (15)

lname

character varying (15)

oposition

character varying (10)

1SL21JohnWhiteManager

2SL41JulieLeeAssistant

MsSQL:

```

SELECT staffNo, fName, lName, Oposition
FROM Staff s
WHERE EXISTS (SELECT*
FROM Branch b
WHERE s.branchNo=b.branchNo AND city='London');

```

100 %

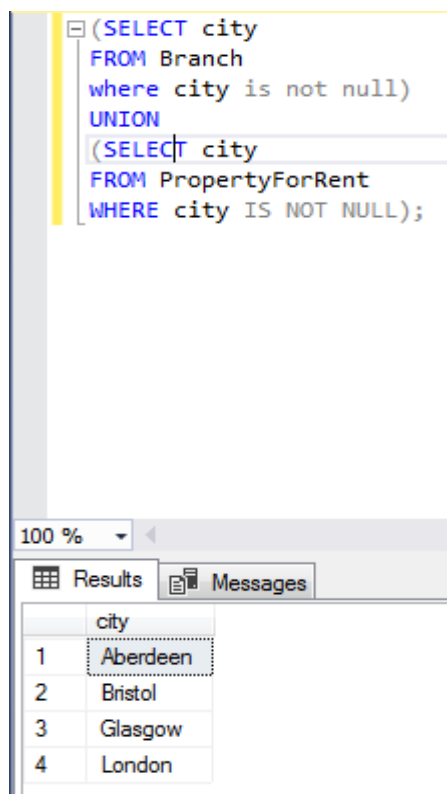
	staffNo	fName	lName	Oposition
1	SL21	John	White	Manager
2	SL41	Julie	Lee	Assistant

Access:

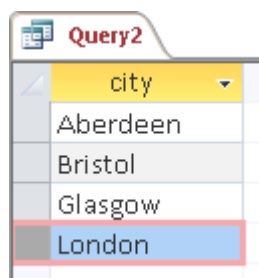
staffNo	fName	lName	positions
SL21	John	White	Manager
SL41	Julie	Lee	Assistant

5.32

Салбар оффис эсвэл үл хөдлөх хөрөнгөтэй бүх хотуудын жагсаалт
MySQL:



Access:



5.33

Салбар болон үл хөдлөх хөрөнгийн аль аль нь байгаа бүх хотуудын жагсаалт

MySQL:

Query 1

Query 2

History

+

```

1  (SELECT city
2  FROM Branch)
3  INTERSECT
4  (SELECT city
5  FROM PropertyForRent);

```

1 Result

2 Profiler

3 Messages

4 Table Data

5 Info

(Read Only)

<input type="checkbox"/>	city
<input type="checkbox"/>	London
<input type="checkbox"/>	Glasgow
<input type="checkbox"/>	Aberdeen

PostgreSQL:

Query Editor		Query History	
1	(SELECT city		
2	FROM Branch)		
3	INTERSECT		
4	(SELECT city		
5	FROM PropertyForRent);		

Data Output		Explain	Messages	Notifications
	city			
	character varying (15)			
1	Glasgow			
2	London			
3	Aberdeen			

MsSQL:

```
(SELECT city
FROM Branch
where city is not null)
INTERSECT
(SELECT city
FROM PropertyForRent
WHERE city IS NOT NULL);
```

100 %

Results Messages

	city
1	Aberdeen
2	Glasgow
3	London

Access:

Query2

city
Aberdeen
Glasgow
London

5.34

Салбартай боловч үл хөдлөх хөрөнгөгүй бүх хотуудын жагсаалт
MySQL:

```
Query 1 Query 2 x History +
1 (SELECT city
2 FROM Branch)
3 EXCEPT
4 (SELECT city
5 FROM PropertyForRent);
```

1 Result	2 Profiler	3 Messages	4 Table Data	5 Info
(Read Only)				
city				
Bristol				

PostgreSQL:

Query Editor	Query History
1 (SELECT city 2 FROM Branch) 3 EXCEPT 4 (SELECT city 5 FROM PropertyForRent);	
Data Output	Explain Messages Notifications
city character varying (15)	
1 Bristol	

MsSQL:

```
(SELECT city
FROM Branch
where city is not null)
EXCEPT
(SELECT city
FROM PropertyForRent
WHERE city IS NOT NULL);
```

100 %

Results

Messages

	city
1	Bristol

Access:

Query2	
	city
	Bristol

Дасгал 2

1.Dream Home компанийн Лондондах салбарын мэдээллийг гарга.

Query Editor

Query History

1

SELECT *

2

FROM branch

3

WHERE city = 'London'

Data Output

Explain

Messages

Notifications

	<div>branchno</div> <div>[PK] character (4)</div>	<div>street</div> <div>character varying (25)</div>	<div>city</div> <div>character varying (15)</div>	<div>postcode</div> <div>character varying (8)</div>
1	B005	22 Deer Rd	London	SW1 4EH
2	B002	56 Clover Dr	London	NW10 6EU

2.Dream Home компанийн 1965 оноос өмнө төрсөн эмэгтэй ажилчдынмэдээллийг гарга.

Query Editor

Query History

1

SELECT *

2

FROM staff

3

WHERE sex='F' AND DOB<'1965-01-01'

Data Output

Explain

Messages

Notifications

	staffno [PK] char	fname character	lname character	oposition character	sex char	dob date	salary numeric (9)	branch character
1	SG37	Ann	Beech	Assistant	F	1960-10-11	12000.00	B003
2	SG5	Susan	Brand	Manager	F	1940-06-03	24000.00	B003

3.Dream Home компанийн 15000-аас бага цалинтай ажилчдын мэдээллийг гарга.

Query Editor		Query History						
1	SELECT *							
2	FROM staff							
3	WHERE salary<15000							
Data Output		Explain						
	staffno [PK] chara	fname characte	lname character	oposition character varyi	sex charac	dob date	salary numeric (9,2)	branchno character (4)
1	SG37	Ann	Beech	Assistant	F	1960-10-11	12000.00	B003
2	SA9	Mary	Howe	Assistant	F	1970-02-19	9000.00	B007
3	SL41	Julie	Lee	Assistant	F	1965-06-13	9000.00	B005

4.Үлхөдлөх хөрөнгийн хүснэгтээс зөвхөн байшингийн(house) мэдээллийг гарга.

Query Editor		Query History							
1	SELECT *								
2	FROM PropertyForRent								
3	WHERE propertyType='House'								
Data Output		Explain							
	propertyno [PK] character varying (8)	street character varying (25)	city character varying (15)	postcode character varying (8)	propertytype character varying (10)	rooms smallint	rent numeric (5,1)	ownerno character varying (7)	staffno character varying (5)
1	PA14	16 Holhead	Aberdeen	AB7 5SU	House	6	650.0	C046	SA9
2	PG21	18 Dale Rd	Glasgow	G12	House	5	600.0	C087	SG37

5.Менежер эсвэл ахлах ажилчидын мэдээллийг гарга.





Query Editor		Query History						
1	SELECT staffNo, fName, lName, oposition							
2	FROM staff							
3	WHERE oposition IN ('Manager', 'Supervisor')							
Data Output		Explain						
	staffno [PK] character varying (5)	fname character varying (15)	lname character varying (15)	oposition character varying (10)				
1	SL21	John	White	Manager				
2	SG14	David	Ford	Supervisor				
3	SG5	Susan	Brand	Manager				

6.Эмэгтэй ажилчидын мэдээллийг төрсөн огноог буурахаар эрэмбэлж харуул.

Query Editor Query History

```
1  SELECT staffNo, fName, lName, oposition
2  FROM staff
3  WHERE oposition IN ('Manager', 'Supervisor')
```

Data Output Explain Messages Notifications

	staffno [PK] character varying (5) 	fname character varying (15) 	lname character varying (15) 	oposition character varying (10) 
1	SL21	John	White	Manager
2	SG14	David	Ford	Supervisor
3	SG5	Susan	Brand	Manager

7.3-аас 5-н өрөөтэй үл хөдлөх хөрөнгийн мэдээллийг үнээр нь эрэмбэлж харуул.

Query Editor

Query History

1

SELECT *

2

FROM PropertyForRent

3

WHERE rooms BETWEEN 3 and 5

4

ORDER BY rent;

Data Output

Explain

Messages

Notifications

	propertyno [PK] character varying (8)	street character varying (25)	city character varying (15)	postcode character varying (8)	propertytype character varying (10)	rooms smallint	rent numeric (5,1)	ownerno character varying (7)	staffno character
1	PG4	6 Lawrence St	Glasgow	G11 9QX	Flat	3	350.0	C040	[null]
2	PG36	2 Manor Rd	Glasgow	G32 4QX	Flat	3	375.0	C093	SG37
3	PL94	6 Argyll St	London	NW2	Flat	4	400.0	C087	SL41
4	PG16	5 Novar Dr	Glasgow	G12 9AX	Flat	4	450.0	C093	SG14
5	PG21	18 Dale Rd	Glasgow	G12	House	5	600.0	C087	SG37

8."M" үсгээр эхэлсэн харилцагчдын мэдээллийг нэр болон утасны дугаарыг шүүж гарга

Query Editor		Query History	
1	SELECT fName, telNo		
2	FROM CLIENT		
3	WHERE fName LIKE 'M%'		







Data Output		Explain	Messages	Notifications
	fname character varying (15)	telno character varying (13)		
1	Mike	01475-392178		
2	Mary	01224-196720		

9.Гурван удаа 8 орсон утасны дугаартай харилцагчдын мэдээллийг шүүж гарга.

Query Editor Query History

```
1  SELECT *
2  FROM CLIENT
3  WHERE telNo LIKE '%8%8%8%8%'
```

Data Output Explain Messages Notifications

	clientno [PK] character varying (7) 	fname character varying (15) 	lname character varying (15) 	telno character varying (13) 	preftype character varying (10) 	maxrent numeric (5,1) 
1	CR56	Aline	Stewart	0141-848-1825	Flat	350.0

10. Үлхөдлөх хөрөнгө хариуцан ажиллаж байгаа ажилтны дугаарыг салбараар нь эрэмбэлж гарга. Ажилтны дугаар давхцахгүй.

Query Editor

Query History

1

2

3

SELECT distinct

staffNo,

branchNo

FROM

PropertyForRent

ORDER BY

branchNo

Data Output

Explain

Messages

Notification

staffno

character varying (5)

branchno

character (4)

1

2

3

4

5

SG14

SG37

[null]

SL41

SA9

B003

B003

B003

B005

B007

11. Зөвхөн ажилтан хариуцаж авсан орон сууцны мэдээллийн үнээр нь өсөхөөр эрэмбэлж хаяг, өрөөний тоо, үнийг харуул.

Query Editor

Query History

1

2

3

4

SELECT

staffNo,

street,

rooms,

rent

FROM

PropertyForRent

WHERE

staffNo

IS not

null

ORDER BY

rent

Data Output

Explain

Messages

Notifications

staffno

character varying (5)

street

character varying (25)

rooms

smallint

rent

numeric (5,1)

1

SG37

2 Manor Rd

3

375.0

2

SL41

6 Argyll St

4

400.0

3

SG14

5 Novar Dr

4

450.0

4

SG37

18 Dale Rd

5

600.0

5

SA9

16 Holhead

6

650.0

12. Үл хөдлөх хөрөнгийн эзэмшигчийн мэдээллийг нэр, овгоор нь эрэмбэлж харуул.

Query Editor

Query History

1

SELECT *

2

FROM PrivateOwner

3

ORDER BY fName, lName;

Data Output

Explain



Messages

Notifications

	<div>ownerno</div> <div>[PK] character varying (7)</div>	<div>fname</div> <div>character varying (15)</div>	<div>lname</div> <div>character varying (15)</div>	<div>address</div> <div>character varying (50)</div>	<div>telno</div> <div>character varying (13)</div>
1	CO87	Carol	Farrel	6 Achray St, Glasgow G32 9DX	0141-357-7419
2	CO46	Joe	Keogh	2 Fergus Dr, Aberdeen AB2 7SX	01224-861212
3	CO40	Tina	Murphy	63 Well St, Glasgow G42	0141-943-1728
4	CO93	Tony	Shaw	12 Park Pl, Glasgow G4 0QR	0141-225-7025



13. Нийт ажилтны тоог харуул. Үр дүнгийн баганы нэрийг StaffCount болгож өөрчилнө.

Query Editor		Query History	
1	SELECT COUNT(staffNo) AS StaffCount		
2	FROM Staff;		

Data Output		Explain	Messages	Notifications
	staffcount bigint			
1		6		





14. Хэдэн салбар үл хөдлөх хөрөнгө хариуцан ажиллаж байгааг тоол.

Query Editor		Query History	
1	SELECT COUNT(branchNo) AS branchcount		
2	FROM Branch;		

Data Output		Explain	Messages	Notifications
	branchcount bigint			
1		5		

15.Хамгийн их, хамгийн бага, дундаж цалинг харуул.

Query Editor		Query History	
1	SELECT MIN(salary) AS lowsalary,		
2	MAX(salary) AS Highsalary,		
3	AVG(salary) AS avgsalary		
4	FROM Staff;		

Data Output		Explain	Messages	Notifications
	lowsalary numeric 	highsalary numeric 	avgsalary numeric 	
1	9000.00	30000.00	17000.000000000000	

16.DreamHome-н салбарыг хотуудаар ангилж хот бүрд хэдэн салбартайг тоолж гарга.

Query Editor

Query History

1

2

3

SELECT city, COUNT(branchNo) AS counted
FROM Branch
GROUP BY city;

Data Output

Explain

Messages

Notifications

city

character varying (15)

counted

bigint

1

Aberdeen

1

2

London

2

3

Glasgow

1

4

Bristol

1

17.Эрэгтэй, эмэгтэй ажилчдын тоог гаргаж дундаж цалин болон хамгийн их, хамгийнбага цалингийн мэдээллийг харуул.

Query Editor

Query History

1

2

3

4

5

6

SELECT sex, MAX(salary) AS highsalary,

MIN(salary) AS lowsalary,

AVG(salary) AS avgsalary,

COUNT(sex) AS countedsex

FROM Staff

GROUP BY sex;

Data Output

Explain

Messages

Notifications

sex

character (1)

highsalary

numeric

lowsalary

numeric

avgsalary

numeric

countedsex

bigint

1

M

30000.00

18000.00

24000.000000000000

2

2

F

24000.00

9000.00

13500.000000000000

4

18.Ажилчдын мэдээллийг албан тушаалаар нь ангилж, албан тушаал тус бүр дээрхэдэн эрэгтэй хэдэн эмэгтэй ажилчид ажиллаж байгааг шүүж гарга. Ажилчдын тоогбуурахаар эрэмбэл.

```

1  SELECT oPosition, sex,
2  COUNT(staffNo) AS countedstaff,
3  COUNT(sex) AS countedsex
4  FROM Staff
5  GROUP BY oPosition, sex
6  ORDER BY countedstaff DESC;

```

	oposition character varying (10)	sex character (1)	countedstaff bigint	countedsex bigint
1	Assistant	F	3	3
2	Manager	M	1	1
3	Supervisor	M	1	1
4	Manager	F	1	1

19. Ажилчдын мэдээллийг салбараар нь ангилж албан тушаал бүрийн хагас сарындундаж цалин гарга.

Query Editor

Query History

1

SELECT branchNo, COUNT(staffNo) AS COUNT,

2

SUM(salary) AS totalsalary

3

FROM Staff

4

GROUP BY branchNo

5

HAVING COUNT(staffNo)>1

6

ORDER BY branchNo;

Data Output

Explain

Messages

Notifications

	<div>branchno</div> <div>character (4)</div> <div></div>	<div>count</div> <div>bigint</div> <div></div>	<div>totalsalary</div> <div>numeric</div> <div></div>	
1	B003	3	54000.00	
2	B005	2	39000.00	

20. Нэгээс олон ажилчидтай салбарын ажилчдын тоо болон нийт цалингийн хэмжээг гарга.

Query Editor

Query History

1

2

3

4

5

6

SELECT branchNo, COUNT(staffNo) AS COUNT, SUM(salary) AS totalsalary FROM Staff GROUP BY branchNo HAVING COUNT(staffNo)>1 ORDER BY branchNo;

Data Output

Explain

Messages

Notifications

branchno

character (4)

count

bigint

totalsalary

numeric

1

B003

3

54000.00

2

B005

2

39000.00

21. Үлхөдлөх хөрөнгийн мэдээллийг хотоор нь ангилж, хот тус бүрт 2-оос илүүтоогоор бүртгэгдсэн орон сууц/flat/-ны мэдээллийг шүүж гарга.

```
1  SELECT *
2  FROM PropertyForRent
3  GROUP BY city
4  HAVING COUNT(propertyType='Flat')>2;
```

1 Result 2 Profiler 3 Messages 4 Table Data 5 Info										
(Read Only)										
Limit rows First row 0										
<input type="checkbox"/>	propertyNo	street	city	postcode	propertyType	rooms	rent	ownerNo	staffNo	branchNo
<input type="checkbox"/>	PG16	5 Novar Dr	Glasgow	G12 9AX	Flat	4	450.0	C093	SG14	B003

22. Лондонд ажилладаг ажилчдын дугаар, нэр, овогт, төрсөн огнооны мэдээллийг гарга. Нэр, овог нь эрэмбэлж харуул.

Query Editor

Query History

1

SELECT fName,lName,DOB,b.city,b.branchNo

2

FROM Staff s, Branch b

3

WHERE s.branchNo=b.branchNo AND city='London'

4

ORDER BY fName;

Data Output

Explain

Messages

Notifications

	fname character varying (15)	lname character varying (15)	dob date	city character varying (15)	branchno character (4)
1	John	White	1945-10-01	London	B005
2	Julie	Lee	1965-06-13	London	B005

23. Дундаж цалингаас илүү цалинтай ажилчдын нэр, овог, албан тушаал болон дундаж цалингийн зөрүү дүнг гарга.

Query Editor

Query History

1

SELECT fName,lName,oPosition,

2

salary - (SELECT AVG(salary)FROM Staff) AS salarydifference

3

FROM Staff

4

WHERE salary>(SELECT AVG(salary)FROM Staff);|

Data Output

Explain

Messages

Notifications

	fname character varying (15)	lname character varying (15)	oposition character varying (10)	salarydifference numeric
1	John	White	Manager	13000.00000000
2	David	Ford	Supervisor	1000.00000000
3	Susan	Brand	Manager	7000.00000000

24."Glasgow"-т ажилдаг ажилтны хариуцаж авсан үл хөдлөх хөрөнгийн мэдээллийггарга.

Query Editor

Query History

1

2

3

4

5

6

7

8

```
SELECT *
FROM propertyForRent
WHERE staffNo IN(SELECT staffNo
FROM Staff
WHERE city=(
SELECT city
FROM branch
WHERE city='Glasgow')));
```

Data Output

Explain

Messages

Notifications

	<div>propertyno</div> <div>[PK] character varying (8)</div>	<div>street</div> <div>character varying (25)</div>	<div>city</div> <div>character varying (15)</div>	<div>postcode</div> <div>character varying (8)</div>	<div>propertytype</div> <div>character varying (10)</div>	<div>rooms</div> <div>smallint</div>	<div>rent</div> <div>numeric (5,1)</div>	<div>ownerno</div> <div>character varying (10)</div>	<div>staffno</div> <div>character varying (10)</div>	<div>branchno</div> <div>character varying (10)</div>
1	PG36	2 Manor Rd	Glasgow	G32 4QX	Flat	3	375.0	C093	SG37	B003
2	PG21	18 Dale Rd	Glasgow	G12	House	5	600.0	C087	SG37	B003
3	PG16	5 Novar Dr	Glasgow	G12 9AX	Flat	4	450.0	C093	SG14	B003

26.Харилцагч аль салбарт, ямар ажилтан дээр бүртгүүлсэн дэлгэрэнгүймэдээллийг гарга. Салбар, харилцагчийн нэрээр нь эрэмбэл.

Query Editor

Query History

1

SELECT c.fName,p.*

2

FROM registration p, CLIENT c

3

WHERE p.clientNo=c.clientNo

4

ORDER BY p.branchNo;

Data Output

Explain

Messages

Notifications

	<div>fname</div> <div>character varying (15)</div>	<div>clientno</div> <div>character varying (7)</div>	<div>branchno</div> <div>character (4)</div>	<div>staffno</div> <div>character varying (5)</div>	<div>datejoined</div> <div>date</div>
1	Aline	CR56	B003	SG37	2000-04-11
2	Mike	CR74	B003	SG37	1999-11-16
3	John	CR76	B005	SL41	2001-01-02
4	Mary	CR62	B007	SA9	2000-03-07

27.London болон Glaskow хотуудад ажилладаг ажилчдын нэр, албан тушаал,шуудангийн хаягийн мэдээллийг харуул. Төрсөн он сараар эрэмбэл.

Query Editor

Query History

```

1 SELECT lname, oPosition, b.branchNo,DOB,b.city,b.postcode
2 FROM Staff s, Branch b
3 WHERE s.branchNo=b.branchNo AND b.city='London' OR b.city='Glasgow'
4 ORDER BY DOB;

```

Data Output

Explain

Messages

Notifications

	lname character varying (15)	oposition character varying (10)	branchno character (4)	dob date	city character varying (15)	postcode character varying (8)
1	Brand	Manager	B003	1940-06-03	Glasgow	G11 9QX
2	White	Manager	B003	1945-10-01	Glasgow	G11 9QX
3	White	Manager	B005	1945-10-01	London	SW1 4EH
4	Ford	Supervisor	B003	1958-11-24	Glasgow	G11 9QX
5	Beech	Assistant	B003	1960-10-11	Glasgow	G11 9QX
6	Lee	Assistant	B003	1965-06-13	Glasgow	G11 9QX
7	Lee	Assistant	B005	1965-06-13	London	SW1 4EH
8	Howe	Assistant	B003	1970-02-19	Glasgow	G11 9QX

28.Харилцагчийн үл хөдлөх хөрөнгө үзсэн сэтгэгдлийг үл хөдлөх хөрөнгийнмэдээлэлтэй харгалзуулж харуул.

Query Editor

Query History

1

SELECT p.*,v.comments, v.clientNo

2

FROM propertyForRent p, viewing v

3

WHERE p.propertyNo=v.propertyNo

Data Output

Explain

Messages

Notifications

	propertyno character varying (10)	street character varying (30)	city character varying (10)	postcode character varying (10)	propertytype character varying (10)	rooms smallint	rent numeric (10,2)	ownerno character varying (10)	staffno character varying (10)	branch character varying (10)	comments character varying (50)	clientno character varying (10)
1	PA14	16 Holhead	Aberdeen	AB7 5SU	House	6	650.0	C046	SA9	B007	too small	CR56
2	PG4	6 Lawrence St	Glasgow	G11 9QX	Flat	3	350.0	C040	[null]	B003	too --ote	CR76
3	PG4	6 Lawrence St	Glasgow	G11 9QX	Flat	3	350.0	C040	[null]	B003	[null]	CR56
4	PA14	16 Holhead	Aberdeen	AB7 5SU	House	6	650.0	C046	SA9	B007	no dining room	CR62
5	PG36	2 Manor Rd	Glasgow	G32 4QX	Flat	3	375.0	C093	SG37	B003	[null]	CR56

29.3-н өрөөтэй орон сууц хариуцан ажилж байгаа эрэгтэй ажилждын овог, нэр,албан тушаалын мэдээллийг гарга. Салбар, албан тушаалаар нь эрэмбэлжхаруул.

Query Editor

Query History

1

SELECT fName,lName,oPosition,p.rooms,s.sex

2

FROM Staff s, propertyForRent p

3

WHERE s.staffNo=p.staffNo AND sex='M' AND rooms=4

4

ORDER BY s.branchNo;

Data Output

Explain

Messages

Notifications

	fname character varying (15)	lname character varying (15)	oposition character varying (10)	rooms smallint	sex character (1)
1	David	Ford	Supervisor	4	M

30.Үлхөдлөх хөрөнгийн мэдээллийг хотоор нь ангилж нийт хэдэн орон сууц,байшин байгааг тус тус тоол.

Query Editor

Query History

1

SELECT city,

2

COUNT(propertyType='Flat') AS countedFlat,

3

COUNT(propertyType='House') AS countedhouse

4

FROM propertyForRent

5

GROUP BY city;

Data Output

Explain

Messages

Notifications

	city character varying (15)	countedflat bigint	countedhouse bigint
1	Aberdeen	1	1
2	London	1	1
3	Glasgow	4	4

Query Editor

Query History

1

SELECT city,propertyType,

2

COUNT(*) AS Number

3

FROM propertyForRent

4

GROUP BY city, propertyType

Data Output

Explain

Messages

Notifications

	city character varying (15)	propertytype character varying (10)	number bigint
1	Aberdeen	House	1
2	London	Flat	1
3	Glasgow	House	1
4	Glasgow	Flat	3

31.Харилцагчдын хамгийн их сонирхсон үл хөдлөх хөрөнгийн төрөл, дундаж үнийн саналыг гарга.

<pre> select top 2 propertyNo, count(propertyNo) as MostFrequent from Viewing group by propertyNo order by count(propertyNo) desc </pre>	
161 %	
Results	Messages
propertyNo	MostFrequent
1 PA14	2
2 PG4	2

32.Хамгийн их үзсэн 2 үл хөдлөх хөрөнгийн дугаарыг гарга.


```
select top 1 prefType,  
        count(prefType) as mostInterested,  
        avg(maxRent) as avgRent  
from Client  
group by prefType  
order by count(prefType) desc
```

1 %

Results Messages

prefType	mostInterested	avgRent
Flat	3	458.333333